



## PRELIMINARY CONFERENCE SCHEDULE

### “Working Together To Protect Montana’s Water Resources”

May 16-17, 2018

#### Overview

#### Wednesday—May 16, 2018

7:00 am—8:00 am	<b>Early Morning Break</b> (Exhibitor Area—Rotunda & Room D)
7:00 am—5:00 pm	<b>Registration desk open</b> (Rotunda)
8:00 am—11:30 am	<b>Morning General Session &amp; Awards</b> (Room E-F-G)
11:30 am—12:30 pm	<b>Lunch</b> (Buffet—Room D)
1:00 pm—5:30 pm	<b>Afternoon Concurrent Sessions</b> (see breakout schedule for locations)
5:30 pm—6:30 pm	<b>Social Hour—Beer &amp; wine</b> (Exhibitor Area—Rotunda & Room D)
6:30 pm—8:30 pm	<b>Banquet &amp; Awards</b> (Room A-B-C)
8:30 pm—10:00 pm	<b>Entertainment—Casino Night!</b> (tbd)

#### Morning General Session—Preliminary Schedule

<b>General Session—Room location: Room (E-F-G)</b>	
<b>Moderators:</b> Jeff Ashley, MSAWWA Chair & Jeremy Perlinski, MWEA President	
8:00—8:15	<b>Welcome and Opening Session</b> Jeff Ashley, MSAWWA Chair & Jeremy Perlinski, MWEA President John Engen, Mayor of Missoula
8:15—9:30	<b>AWWA &amp; WEF Guest Speakers—General remarks followed by Q&amp;A</b> Kevin Bergschneider, AWWA Vice-President Ifetayo Venner, WEF Trustee
9:15—9:30	<b>BREAK—Exhibitor Area</b> (Rotunda)
9:30—9:45	<b>MSUN/METC Water Quality Certificate Program—</b> Barb Coffman, Director Montana Environmental Training Center
9:45—10:45	<b>Making the Most Out of the Infrastructure Dollar: How Small Communities Benefit From Co-Funding: The Montana Story</b> —Karen Bucklin-Sanchez, USDA Rural Development
10:45—11:30	<b>Awards</b>

**Wednesday—May 16, 2018**  
**Afternoon Concurrent Sessions—Preliminary Schedule**

<b>Drinking Water Sessions—Room location: tbd</b> Moderator: tbd	
1:00 —1:45	<b>Multi-Barrier Approach For Optimal 4-Log Virus Credit Supplements Chemical Disinfection Methods—</b> Phyllis Posey, Atlantium Technologies
1:45—2:30	<b>The Calcium Hypochlorite Alternative—</b> Elio Limonchi, Lonza
2:30—3:15	<b>BREAK – Exhibitor Area (Rotunda)</b>
3:15—4:00	<b>Activated Carbon 101—</b> Ben Goecke, Calgon Carbon Corporation
4:00—4:45	<b>How One Water Utility is Responding to Climate Change and Protecting Water Supplies—</b> Stacey Hellekson, PE, Woodard & Curran
4:45—5:30	<b>Role of Smart Tanks in Distribution Water Quality Management—</b> Jeff Rhodes, UGSI Solutions, Inc.

<b>Wastewater Sessions—Room location: tbd</b> Moderator: tbd	
1:00 —1:45	<b>Size Matters; How Fine Bubble Aeration can Improve Lagoon BOD and Nutrient Effluent—</b> Tom Daugherty, Triplepoint Environmental
1:45—2:30	<b>Meeting Strict Ammonia Limits with Lagoons—</b> Craig Pozega, Great West Engineering
2:30—3:15	<b>BREAK – Exhibitor Area (Rotunda)</b>
3:15—4:00	<b>True Batch SBR: A Cold Weather Nutrient Removal Solution—</b> Manuel de los Santos, Aqua-Aerobic Systems Inc.
4:00—4:45	<b>West Glendive Large Diameter Horizontal Directional Drilling Beneath the Yellowstone River—</b> Steve Lipetzky, Great West Engineering
4:45—5:30	<b>Winds of Change: Livingston WRF Upgrade: The Prequel—</b> Scott Buecker, AE2S

<b>Miscellaneous &amp; More Wastewater Sessions—Room location: tbd</b> Moderator: tbd	
1:00 —1:45	<b>Tips to Get Good Data from your Analytical Instruments—</b> Myra Michaels, YSI a Xylem brand
1:45—2:30	<b>Sewer Rehabilitation in Paradise—</b> Craig Caprara, HDR
2:30—3:15	<b>BREAK – Exhibitor Area (Rotunda)</b>
3:15—4:00	<b>Real World Considerations for Pump Design, Operation and Troubleshooting—</b> Steve Truitt, PE, Penn Valley Pump Company
4:00—4:45	<b>Grit Happens – You Don't Know What You Are Missing—</b> Pat Herrick, Hydro International
4:45—5:30	<b>Sequencing Batch Reactor to Facilitate Expansion, Growth and Development—</b> Kolten Knatterud, Territorial Landworks, Inc.



## Overview

**Thursday—May 17, 2018**

### Morning Concurrent Sessions—Preliminary Schedule

7:00 am—8:30 am	<b>Early Morning Break</b> (Exhibitor Area—Room D)
7:00 am—8:30 am	<b>Joint MSAWWA-MWEA Membership Meeting</b> (tbd) <i>Show up to the Annual Membership Meeting and get entered for a prize drawing—You must come to the meeting to enter!</i>
7:30 am—10:00 am	<b>Registration Desk Open</b> (Rotunda)
10:00am—11:00 am	<b>Operator Trivia Challenge &amp; Best Tap Water Taste Test</b> (Exhibitor Area—Room D) <i>Bring your team and bring your water sample to enter!</i>
8:30 am—12:30 pm	<b>Morning Concurrent Sessions</b> (see breakout schedule for various locations)
12:30pm—1:30 pm	<b>Lunch &amp; Prize Drawings</b> (Room A-B-C) <i>Must be present to win from a great selection of Exhibitor sponsored prizes!</i>
1:30 pm—3:30 pm	<b>Missoula Water or Wastewater Treatment Plant Tours</b> (see map in registration packet)

**Thursday—May 17, 2018**

### Morning Concurrent Sessions—Preliminary Schedule

<b>Drinking Water Sessions—Room location: tbd</b> Moderator: tbd	
8:30 – 9:15	<b>The Big Payback – The Importance of Large Meter Analytics—</b> Michele Harvey, Badger Meter
9:15 – 10:00	<b>Billings Water Plant UV and Chemical Project—</b> Craig Habben, Jake Ostrander & Francis Rodriguez, HDR; Louis Engels, Will Robbins & Berry Helmbrecht, City of Billings
10:00 – 11:00	<b>BREAK – Best Tap Water Taste Test and Pub-style Operator Trivia in Exhibitor Area</b> (Room D)
11:00 – 11:45	<b>Can a Variable Clarifier Inlet Reduce Tertiary Treatment Requirements at a BNR Treatment Facility?—</b> Coralynn Revis, Mario Benisch & Dan Harmon, HDR
11:45 – 12:30	<b>Optimizing Lagoon Based Treatment Systems for Improved BOD, TSS and Nutrient Removal—</b> Tom Birkeland, Lemna Environmental Technologies

**Thursday—May 17, 2018**  
**Morning Concurrent Sessions—Preliminary Schedule**

<b>Wastewater Treatment Sessions—Room location: tbd</b> Moderator: tbd	
8:30 - 9:15	<b>AOP &amp; Biofiltration—</b> Brian Viall, PE, AE2S
9:15 – 10:00	<b>Reclaimed Wastewater for Irrigation with Difficult Soils—</b> Carrie Gardner & Ryan Pearson, Great West Engineering
10:00 – 11:00	<b>BREAK – Best Tap Water Taste Test and Pub-style Operator Trivia in Exhibitor Area (Room D)</b>
11:00 – 11:45	<b>A Discussion on Advanced Lagoon Treatment Processes—</b> Tim Canter, Environmental Dynamics International
11:45 – 12:30	<b>Designing Lagoon-Based WWTPs: The Case of Big Timber, MT—</b> Todd Latchaw, Nexom; Collette Anderson, Great West Engineering

<b>Miscellaneous &amp; More Wastewater Sessions—Room location:tbd</b> Moderator: tbd	
8:30 - 9:15	<b>Deer Lodge WWTP—Construction, Operation, and Performance—</b> Rika Lashley, Morrison-Maierle
9:15 – 10:00	<b>Electronic Applications for Funding: The New Frontier: Streamlining and Simplifying the Process for Small Communities to Gain Improved Access to Funding for Water and Waste Infrastructure—</b> Karen Bucklin Sanchez, PE, USDA Rural Development
10:00 – 11:00	<b>BREAK – Best Tap Water Taste Test and Pub-style Operator Trivia in Exhibitor Area (Room D)</b>
11:00 – 11:45	<b>Using Water Quality Modeling to Develop Site Specific Numeric Nutrient Criteria—</b> Coralynn Revis, HDR; Tom Radcliffe & Brian Heaston, City of Bozeman
11:45 – 12:30	<b>Enhancing Bio-P with Operations and Brewery Waste—</b> Drue Newfield, City of Havre; Scott Schaefer, AE2S